

IN THE CLAIMS

Please cancel claims 1-8, 14, 15, 18-20, 22-112 and 115-145 without prejudice or disclaimer of the subject matter recited therein:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-8 (Canceled).

11. (Previously Presented) A lightweight structural component comprising:
at least one metal panel;
at least one metal stiffening element;
the at least one metal stiffening element comprising two side pieces; and
each of the two side pieces being at least partially connected to the at least one metal panel in a material-locking manner,
wherein the two side pieces are connected to the at least one metal panel at two separate weld joint zones, and
wherein the at least one panel comprises a panel stiffening base having an outer portion and an inner portion arranged between inner surfaces of the two side pieces.

12. (Previously Presented) A lightweight structural component comprising:
at least one panel;
at least one stiffening element;
the at least one stiffening element comprising two side pieces;
each of the two side pieces being at least partially connected to the at least one panel in a material-locking manner;

the two side pieces being connected to the at least one panel at two separate joint zones; and

the at least one panel comprising a panel stiffening base having an outer portion and an inner portion arranged between inner surfaces of the two side pieces,

wherein the inner portion comprises a thickness d_{Hi} that is greater than a thickness d_{Ho} of the outer portion and wherein side surfaces of the inner portion rest against or adjacent to inner surfaces of the two side pieces.

13. (Original) The component of claim 12, wherein the two separate joint zones respectively extend at least partially up to the side surfaces of the inner portion.

Claims 14 and 15 (Canceled).

16. (Previously Presented) A lightweight structural component comprising:

at least one panel;

at least one stiffening element;

the at least one stiffening element comprising two side pieces;

each of the two side pieces being at least partially connected to the at least one panel in a material-locking manner;

the two side pieces being connected to the at least one panel at two separate joint zones,

wherein the at least one stiffening element comprises the following:

a ratio between a side piece thickness t_s in a plane of each joint zone and a thickness d_s of the at least one stiffening element comprises approximately $0.5 \leq t_s/d_s \leq$ approximately 1.8;

a ratio between each side piece length s_s and a height h_s of the at least one stiffening element comprises approximately $0.15 \leq s_s/h_s \leq$ approximately 0.7; and

an angle β between the panel and each joint surface of each joint zone comprises approximately $0^\circ \leq \beta \leq$ approximately 25° .

17. (Original) The component of claim 16, wherein the at least one stiffening element further comprises the following:

a ratio of each side piece thickness b_{s0} near a branching of the two side pieces and a side piece thickness t_s in a plane of each joint zone comprises approximately $0.28 \leq b_{s0}/t_s \leq$ approximately 1.

Claims 18-20 (Canceled).

21. (Previously Presented) A lightweight structural component comprising:

at least one panel;

at least one stiffening element;

the at least one stiffening element comprising two side pieces;

each of the two side pieces being at least partially connected to the at least one panel in a material-locking manner;

the two side pieces being connected to the at least one panel at two separate joint zones,

wherein the two side pieces comprise tapered surfaces, whereby a thickness of the two side pieces near a bar portion of the at least one stiffening element is less than a thickness of the two side pieces near the two separate joint zones.

Claims 22-145 (Canceled).